AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the applications.

LISTING OF CLAIMS:

1. (currently amended) A piezoelectric ceramic composition comprising:

a phase comprising, as a main component, lead zirconate titanate having a perovskite structure; and

an Al-containing phase,

wherein:

said main component is represented by a composition formula of $Pb_{\alpha}[(Mn_{1/3}Nb_{2/3})_{x}Ti_{y}Zr_{z}]O_{3}$ (wherein 0.97 $\leq \alpha \leq 1.01$ ≤ 1.00 , 0.04 $\leq x \leq 0.16$, 0.48 $\leq y \leq 0.58$, 0.32 $\leq z \leq 0.41$) and

said piezoelectric ceramic composition comprises ${\rm Al}_2{\rm O}_3$ in an amount of 0.15 to 15.0 wt%.

Claims 2 and 3 (cancelled).

4. (original) The piezoelectric ceramic composition according to claim 1, wherein:

said Al-containing phase comprises Al_2O_3 .

5. (original) The piezoelectric ceramic composition according to claim 1, wherein:

said piezoelectric ceramic composition is composed of a sintered body comprising grains and grain boundaries exist between said grains; and

 $\mathrm{Al}_2\mathrm{O}_3$ is contained in said grains and is precipitated in said grain boundaries.

Claim 6 (cancelled).

7. (original) The piezoelectric ceramic composition according to claim 1, wherein:

 $|\Delta F_0|$ which is the absolute value of the rate of change in oscillation frequency F_0 thereof, before and after application of a thermal shock, is 0.10% or less; and

the three-point flexural strength σ_{b3} thereof is 160 $\ensuremath{\text{N}/\text{mm}^2}$ or more.

- 8. (currently amended) A piezoelectric ceramic composition comprising:
- a main component represented by the formula of $Pb_{\alpha}[\,(Mn_{1/3}Nb_{2/3})_{\,x}Ti_{y}Zr_{z}]O_{3},\ wherein\ \alpha,\ x,\ y\ and\ z\ fall\ within$

the ranges of 0.97 $\leq \alpha \leq$ 1.01, 0.04 \leq x \leq 0.16, 0.48 \leq y \leq 0.58 and 0.32 \leq z \leq 0.41, respectively; and

as an additive, at least one element selected from the group consisting of $\frac{Ga}{In}$, $\frac{Ga}{In}$ and $\frac{Ga}{In}$ in an amount of 0.01 to 15.0 wt% in terms of an oxide of each element.

9. (original) The piezoelectric ceramic composition according to claim 8, wherein:

said piezoelectric ceramic composition has α , x, y and z of said main component falling within the range of 0.98 $\leq \alpha$ < 1.00, 0.06 \leq x \leq 0.14, 0.49 \leq y \leq 0.57 and 0.33 \leq z \leq 0.40, respectively.

10. (original) The piezoelectric ceramic composition according to claim 8, wherein:

said piezoelectric ceramic composition has α , x, y and z of said main component falling within the range of 0.99 $\leq \alpha$ < 1.00, 0.07 \leq x \leq 0.11, 0.50 \leq y \leq 0.55 and 0.34 \leq z \leq 0.39, respectively.

11. (currently amended) The piezoelectric ceramic composition according to claim 8, wherein:

said piezoelectric ceramic composition $\underline{\text{further}}$ comprises Al as $\underline{\text{an}}$ said additive in an amount of 0.05 to 5.0 wt% in terms of Al₂O₃.

12. (currently amended) The piezoelectric ceramic composition according to claim 8, wherein:

said piezoelectric ceramic composition $\underline{\text{further}}$ comprises Al as $\underline{\text{an said}}$ additive in an amount of 0.15 to 1.5 wt% in terms of Al_2O_3 .

13. (original) The piezoelectric ceramic composition according to claim 8, wherein:

said piezoelectric ceramic composition comprises Si in an amount of 0.005 to 0.15 wt% in terms of SiO_2 .

14. (original) The piezoelectric ceramic composition according to claim 8, wherein:

the electric property Q_{max} $(Q_{max}$ = $tan\theta\colon$ θ is a phase angle) thereof is 30 or more;

 $|\Delta k_{15}|$ which is the absolute value of the rate of change in electromechanical coupling factor k_{15} thereof, before and after application of a thermal shock, is 4% or less;

 $|\Delta$ F₀ (-40°C)| which is the absolute value of the rate of change in oscillation frequency F₀ thereof at -40°C, with reference to 20°C, is 0.4% or less; and

 $|\Delta$ F₀ (85°C)| which is the absolute value of the rate of change in oscillation frequency F₀ thereof at 85°C, with reference to 20°C, is 0.4% or less.

15. (currently amended) A piezoelectric ceramic composition comprising a sintered body comprising; as a main component, a perovskite compound having mainly Pb, Zr, Ti, Mn and Nb; and as an additive, at least one element selected from the group consisting of Ga, In, Ta and Sc Ga and In, wherein:

the electric property Q_{max} (Q_{max} = $tan\theta\colon$ θ is a phase angle) thereof is 100 or more;

 $|\Delta k_{15}|$ which is the absolute value of the rate of change in electromechanical coupling factor k_{15} thereof, before and after application of a thermal shock, is 2% or less;

 $|\Delta$ F₀ (-40°C)| which is the absolute value of the rate of change in oscillation frequency F₀ at -40°C thereof, with reference to 20°C, is 0.2% or less; and

 $|\Delta$ F₀ (85°C)| which is the absolute value of the rate of change in oscillation frequency F₀ at 85°C thereof, with reference to 20°C, is 0.2% or less.

16. (currently amended) The piezoelectric ceramic composition according to claim 15, wherein:

said sintered body further comprises Al₂O₃.

17. (original) The piezoelectric ceramic composition according to claim 15, wherein:

said sintered body comprises a main component represented by the formula of $Pb_{\alpha}[(Mn_{1/3}Nb_{2/3})_{x}Ti_{y}Zr_{z}]O_{3}$, wherein α , x, y and z fall within the range of $0.99 \le \alpha < 1.00$, $0.07 \le x \le 0.14$, $0.50 \le y \le 0.55$ and $0.34 \le z \le 0.39$, respectively.

18. (previously presented) The piezoelectric ceramic composition according to claim 1, wherein:

said piezoelectric ceramic composition comprises ${\rm Al}_2{\rm O}_3$ in an amount of 0.6 to 15.0 wt%.

19. (previously presented) The piezoelectric ceramic composition according to claim 1, wherein:

said piezoelectric ceramic composition comprises ${\rm Al}_2{\rm O}_3$ in an amount of 0.6 to 5.0 wt%.

20. (previously presented) The piezoelectric ceramic composition according to claim 1, wherein:

said piezoelectric ceramic composition comprises ${\rm Al}_2{\rm O}_3$ in an amount of 0.6 to 1.5 wt%.